

Serial No.: 10/083,296

IN THE CLAIMS:

1. (previously amended) A process for making a disposable wearing article comprising a step of securing an elastic member of an elastically stretchable in a longitudinal direction to sheet material of said disposable wearing article using an adhesive, said process further comprising:

said step of securing the elastic member to said article includes a step of applying said adhesive to said elastic member on a peripheral surface thereof in such a way as to make said adhesive draw substantially a continuous line and then securing said elastic member to said sheet material;

said continuous line drawing a curved line on x - y plane defined by an x-axis which extends in the longitudinal direction and a y-axis being orthogonal to said x-axis and corresponding to a developed view of the peripheral surface of said elastic member so that said curved line undulates about said x-axis on said plane like a sine curve; and

a height of the undulation being substantially equal to or larger than a circumferential length of said elastic member.

2. canceled.

3. (original) The process according to Claim 1, wherein said elastic member is bonded with or without extension to said sheet material.

4. canceled.

5. (original) The process according to Claim 1, wherein said wearing article is one of a disposable diaper, disposable training pants, a sanitary napkin, a disposable gown and disposable trousers.

6. (previously presented) A process for making a disposable wearing article comprising a step of securing an elastic member of an elastically stretchable in a longitudinal direction to sheet material of said disposable wearing article using an adhesive, said process

Serial No.: 10/083,296

further comprising:

said step of securing the elastic member to said article includes a step of applying said adhesive to said elastic member on a peripheral surface thereof in such a way as to make said adhesive draw substantially a continuous line and then securing said elastic member to said sheet material;

said continuous line drawing a curved line on x-y plane defined by an x-axis which extends in the longitudinal direction and a y-axis being orthogonal to said x-axis and corresponding to a developed view of the peripheral surface of said elastic member so that said curved line undulates about said x-axis on said plane so as to include sections curved in an s-shape or inverted s-shape; and

a height of the undulation being substantially equal to or larger than a circumferential length of said elastic member.

7. (previously presented) The process according to claim 6, wherein said curved line undulates, as viewed in said developed view, substantially with a uniform cycle and an amplitude in at least a partial section of said curved line in the direction of said x-axis.

8. (previously presented) The process according to claim 6, wherein said elastic member is bonded with or without extension to said sheet material.

9. (previously presented) The process according to claim 6, wherein said wearing article is one of a disposable diaper, disposable training pants, a sanitary napkin, a disposable gown and disposable trousers.

10. (previously presented) The process according to claim 1, wherein the continuous line encircles the entire periphery of the elastic member in making the sine curve shape.

11. (previously presented) The process according to claim 6, wherein the continuous line encircles the entire periphery of the elastic member in making the s-shape or inverted s-shape.

12. (previously presented) The process according to claim 1, wherein the height is greater than the circumferential length of the elastic member.

13. (previously presented) The process according to claim 6, wherein the height is greater than the circumferential length of the elastic member.

14. (currently amended) The process of claim 1, wherein the continuous line of adhesive covers the elastic member in cycles, each cycle having a starting point on a first longitudinal line of a first plane bisecting the elastic member, the continuous line following a path from the starting point that goes beyond diametrically opposed longitudinal lines that lie on a second bisecting plane that is perpendicular to the first bisecting plane during the cycle, the path of the continuous line also touching or going beyond another point on the first longitudinal line during the cycle ~~The process of claim 1, wherein the continuous line of adhesive covers the elastic member in cycles, each cycle having a starting point on a first longitudinal line of the elastic member, the continuous line following a path from the starting point that touches or goes beyond a point on a second longitudinal line that is diametrically opposite the first longitudinal line, the path also passing through a plane bisecting the elastic member that is perpendicular to a plane defined by the first and second longitudinal lines.~~

15. (currently amended) The process of claim 6, wherein the continuous line of adhesive covers the elastic member in cycles, each cycle having a starting point on a first longitudinal line of a first plane bisecting the elastic member, the continuous line following a path from the starting point that goes beyond diametrically opposed longitudinal lines that lie on a second bisecting plane that is perpendicular to the first bisecting plane during the cycle, the path of the continuous line also touching or going beyond another point on the first longitudinal line during the cycle ~~The process of claim 6, wherein the continuous line of adhesive covers the elastic member in cycles, each cycle having a starting point on a first longitudinal line of the elastic member, the continuous line following a path from~~

Serial No.: 10/083,296

~~the starting point that touches or goes beyond a point on a second longitudinal line that is diametrically opposite the first longitudinal line.~~

16. (currently amended) ~~The process of claim 14, wherein the path goes beyond the point on the second longitudinal line.~~ The process of claim 14, wherein the continuous line goes beyond the other point on the first longitudinal line during the cycle.

17. (currently amended) ~~The process of claim 15, wherein the path goes beyond the point on the second longitudinal line.~~ The process of claim 15, wherein the continuous line goes beyond the other point on the first longitudinal line during the cycle.

18. (new) The process of claim 14, wherein the elastic member is secured between a topsheet and a backsheet, with the first bisecting plane being perpendicular to a plane defined by the topsheet and backsheet, and the first longitudinal line being adjacent the topsheet.

19. (new) The process of claim 15, wherein the elastic member is secured between a topsheet and a backsheet, with the first bisecting plane being perpendicular to a plane defined by the topsheet and backsheet, and the first longitudinal line being adjacent the topsheet.